LIST OF SPARE PARTS / PROCESS TECHNOLOGY

DRAW NO. : 60_300.11026
PROJECT : Scottsdale
DESIGNATION 1 : P & ID 9-6-15 HS1 No.10600
DESIGNATION 2 : MST-H

ORIGINATOR : IRU
DATE : 14.03.07
CHECKED : SVL
DATE : 14.03.07

REVISED : -
DATE : -
CHECKED : -
DATE : -

INDEX : _
FILE : scotts_2007_1
LIST TYPE: EFMTXA

DESIGN.	EACH	TERM	DIMENSION	MATERIAL	TYPE	PART NO.	MANUFACTURER/SUPPLIER
A 500	1	Steam trap	1/2"	MS	BPT 13S:G=6K/PN16/13.0bar	102000-22	Spirax Sarco
A 502	1	Steam trap	1/2"	MS	BPT 13S:G=6K/PN16/13.0bar	102000-22	Spirax Sarco
A 504	1	Steam trap	1/2"	1.4301	MK 36/51 PN40/32.0bar U-M	102000-92	Gestra
B 801	1	Pressure transducer	1/2"	1.4571/1.4435	dTRANS p30/0-4bar/4-20mA	5510JUM-09	Jumo
B 802	1	Pressure transducer	1/2"	1.4571/1.4435	dTRANS p30/0-4bar/4-20mA	5510JUM-09	Jumo
B 803	1	Pressure transducer	1/4"	1.4571	ECO-1 / 0...6bar	5510-49	Wika
B 805	1	Pressure transducer	1/4"	1.4571	ECO-1 / 0...6bar	5510-49	Wika
B4	1	Vaporizer	-	1.4301	Z.Nr. 04-002.5074	04-002.5074	Sauter Sulgen
F 200	1	Strainer	3/4" zu ø 1/2"	1.4401	03-000.5691	03-000.5691	Sauter Sul. /Künzli AG
F 220	1	Strainer	1"	MS verni.	SF 4138-MS-PN16-CN	101RG0-06	Spirax Sarco
F 300	1	Filter	1/4"	AL	Multi-Fix F.11	136001MF-07	Knocks
F 305	1	Filter	1/2"	KS	5181207T9B	103001-83	Sartorius
F 400	1	Strainer	1 1/2" zu ø 1 1/4"	1.4401	03-000.5688	03-000.5688	Sauter Sul. /Künzli AG
F 502	1	Strainer	3/4" zu ø 1/2"	1.4401	03-000.5691	03-000.5691	Sauter Sul. /Künzli AG
F 705	1	Strainer	2 1/2" zu ø 2"	1.4401	03-000.5686	03-000.5686	Sauter Sul. /Künzli AG
H 220	1	Manual flow balancing valve	1"	MS verni.	B-RB-1700-025	131MS000025-02	Trigress/Economic
H 800	1	Manual flow balancing valve	1/4"	MS verni.	B-RB-1720-008	131MS000008	Trigress/Economic
H 804	1	Manual flow balancing valve	1/4"	MS verni.	B-RB-1720-008	131MS000008	Trigress/Economic
P4	1	Vacuum pump		GG-25	V 130 / 4.6kW	5130SPK-41	Speck /E.W. Müller
PI 100	1	Mano-vacuummeter	1/4"	1.4301	MGS18,A-63,-1.+9bar/Hg/ps	111000D063-54	Nuova Fima
PI 200	1	Manometer	1/4"	MS 58	MGS10.3/A-63/0..+16bar	111000D063-32	Nuova Fima
PI 220	1	Manometer	1/4"	MS 58	MGS10.3/A-63/0..+16bar	111000D063-32	Nuova Fima
PI 300	1	Manometer	1/4"	MS	Multi-Fix G.51-10	136001MF-06	Knocks
PI 301	1	Mano-vacuummeter	1/4"	MS	MGS10.3/A-63SEC/-1..+5bar	111000D063-31	Nuova Fima
PI 800	1	Mano-vacuummeter	1/4"	1.4301	MGS18,A-63,-1.+5bar/Hg/ps	111000D063-58	Nuova Fima
PI 804	1	Mano-vacuummeter	1/4"	MS	MGS10.3/A63SEC	111000D063-33	Nuova Fima
R 300	1	Spring-loaded check valve	1/4"	AL	Multi-Fix V.11	136001MF-10	Knocks
R 305	1	Spring-loaded check valve	1/2"	1.4301	Small 0,02-0,03 bar:90011	142A20015-02	Hamberger / Cromax
R 402	1	Spring-loaded check valve	1/4"	1.4301	Small 0,02-0,03 bar	142A20008	Hamberger / Cromax
R 621	1	Butterfly flap valve	1/8"	MS verni.	MV 38 04 18 C	121001-47	Trigress

DRAW NO. : 60_300.11026	ORIGINATOR : IRU	REVISED : -	INDEX : _
PROJECT : Scottsdale	DATE : 14.03.07	DATE : -	
DESIGNATION 1 : P & ID 9-6-15 HS1 No.10600	CHECKED : SVL	CHECKED : -	FILE : scotts_2007_1
DESIGNATION 2 : MST-H	DATE : 14.03.07	DATE : -	LIST TYPE: EFMTXA

DESIGN.	EACH	TERM	DIMENSION	MATERIAL	TYPE	PART NO.	MANUFACTURER/SUPPLIER
R 623	1	Butterfly flap valve	1/8"	MS verni.	76690410	121001-26	Legris
R 624	1	Butterfly flap valve	1/8"	MS verni.	76690410	121001-26	Legris
R 811/812	1	Resistance thermometers	4.5mm	1.4571	2xPT1000 4.5/120	5550JUM-10	Jumo
R 815	1	Resistance thermometers	4.5mm	1.4571	1xPT1000/2L-4.5-200	5550JUM-09	Jumo
R 817	1	Resistance thermometers	4.5mm	1.4571	1xPT1000/2L-4.5-200	5550JUM-09	Jumo
S 331	1	Manometric switch	1/4"	MS	901.51 111L1:-1.0..+25bar	5215-25	Pewatron
S 335	1	Manometric switch	1/4"	MS verni.	901.11.122X1 -1..+4bar	5215-30	Pewatron
S 345	1	Manometric switch	1/4"	MS	901.51 111L1:-1.0..+25bar	5215-28	Pewatron
V 300	1	Pressure controller	1/4"	AL	R.11 / Serie 1 / Multi-Fi	136001MF-09	Knocks
V 334	1	Solenoid valve 3-way	3.0mm	KS	PS1-E21162BQ	121000-04	Girmatic / Parker
V 594	1	Solenoid valve 2-way	1/4"	MS	EV210A 3.5B/24V DC/9.5W	121MS0DA008-01	Danfoss
V 607	1	Solenoid valve 4-way	1/4"	AL	135MF0/24VDC/13W	121000LU002-01	Bachofen / Lucifer
V 621	1	Slanted seat valve	1"	RG	2000-A-025,0-E-RGGM86-B-E	122RG0BU025	Bürkert
V 621.1	1	Solenoid valve 3-way	3.0mm	KS	PS1-E21162BQ	121000-04	Girmatic / Parker
V 622	1	Slanted seat valve	1/2"	1.4408	2000-A-013,0-E-VAGM84-C-C	122A40BU015-01	Bürkert
V 622.1	1	Solenoid valve 3-way	3.0mm	KS	PS1-E21162BQ	121000-04	Girmatic / Parker
V 623	1	Slanted seat valve	3/4"	1.4581	2000-A-020,0-E-VASA43-C-C	122A40BU020	Buerkert
V 623.1	1	Solenoid valve 3-way	3.0mm	KS	PS1-E21162BQ	121000-04	Girmatic / Parker
V 624	1	Slanted seat valve	1 1/2"	RG	2000-A-040,0-E-RGGM88-B-F	122RG0BU040	Bürkert
V 624.1	1	Solenoid valve 3-way	3.0mm	KS	PS1-E21162BQ	121000-04	Girmatic / Parker
V 625	1	Slanted seat valve	1/2"	1.4581	2000-A-015,0-E-VASA42-C-C	122A40BU015	Buerkert
V 625.1	1	Solenoid valve 3-way	3.0mm	KS	PS1-E21162BQ	121000-04	Girmatic / Parker
V 626	1	Slanted seat valve	1/2"	RG	2000-A-013,0-E-RGGM84-B-C	122RG0BU015	Bürkert
V 626.1	1	Solenoid valve 3-way	3.0mm	KS	PS1-E21162BQ	121000-04	Girmatic / Parker
V 627	1	Solenoid valve 2-way	1/4"	1.4401	21L2K1T30-2/2Weg-1/4" / 0	121A0SA008	SATO AG
W4	1	Heat exchanger	1 1/2"	1.4401	SL70TK-CC-18 /1,12m2	04-002.6528	ETS
W5	1	Heat exchanger	3/4"	1.4401	WP 2-20: mit Innengewinde	106A40-74	Javorka Thermotechnik
X 110	1	Orifice	G 3/4" zu ø 1/2"	1.4435	zum Aufbohren	750 05362	Marton / Zweifel
X 205	1	Tube	12.5mmx18.5 mm	PVC-Ny.gefl.	12.5mmx18.5 mm PVC-transp	350 02477	Maagtechnic
X 205.1	1	Tube	12.5mmx18.5 mm	PVC-Ny.gefl.	12.5mmx18.5 mm PVC-transp	350 02477	Maagtechnic

LIST OF SPARE PARTS / PROCESS TECHNOLOGY

DRAW NO. : 60_300.11026
PROJECT : Scottsdale
DESIGNATION 1 : P & ID 9-6-15 HS1 No.10600
DESIGNATION 2 : MST-H

ORIGINATOR : IRU
DATE : 14.03.07
CHECKED : SVL
DATE : 14.03.07

REVISED : -
DATE : -
CHECKED : -
DATE : -

INDEX : _
FILE : scotts_2007_1
LIST TYPE: EFMTXA

DESIGN.	EACH	TERM	DIMENSION	MATERIAL	TYPE	PART NO.	MANUFACTURER/SUPPLIER
X 223	1	Tubing piece	1 1/4"	EPDM/V2A-Umfle.	EPDM-V2A-Umflechtung 32x4	350 05113	Reflo AG
X 300	1	Pipe	ø 6.0x4.0mm	Polyamid	1100P0601 - Schwarz	121001-09	Legris AG
X 309	1	Pipe	ø 6.0x4.0mm	Polyamid	1100P0601 - Schwarz	121001-09	Legris AG
X 309.1	1	End plate	6.0mm	KS	PS1-E102	121001-04	Girmatic / Parker
X 309.2	1	Sound absorber	6.0mm	MS verni.	06710600	121001-05	Legris
X 309.3	1	Ball	3.0mm	-	HY219 488	121001-07	Girmatic / Parker
X 309.4	1	Sound absorber	6.0mm	MS verni.	06710600	121001-05	Legris
X 400	1	Compensator	1 1/2"	1.4404	Assiwell DN 40	106A40-66	Angst+Pfister
X 400.1	1	Compensator	1 1/2"	1.4404	Assiwell DN 40	106A40-65	Angst+Pfister
X 400.3	1	Expansion joint	1 1/4"	1.4571	18.S40000	300 02807	SATO
X 402	1	Pipe	ø 6.0x4.0mm	Polyamid	1100P0601 - Schwarz	121001-09	Legris AG
X 405.1	1	Pipe	ø 6.0x4.0mm	Polyamid	1100P0601 - Schwarz	121001-09	Legris AG
X 500	1	Orifice	zu ø 15.0mm	1.4435	D=18.5 d=2.0 s=1.5	750 00049	Marton / Zweifel
X 705	1	Sound absorber	2"	KS	CC2030 / L=285mm	350 05921	Centralclean
Y 700	1	Safety valve	1 1/4"-1 1/4"	Bronze	6021FFM01-LM0039		Kunkle/USA
Y 702	1	Safety valve	3/4"-1"	Bronze	6021EDM01-LM0036		Kunkle/USA